

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	555	(192/93A).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:13
L2	5456	(actuat\$3 or operat\$3) WITH (friction\$4 adj clutch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L3	508	L2 and ((cam\$4 or ramp\$3) WITH (ball or roller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 21:14
L4	215	(192/84.6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L5	185	L4 not L3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L6	693	L3 or L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L7	157	(192/84.7).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L8	94	L7 not L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L9	787	L6 or L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L10	194	(192/70.23).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L11	179	L10 not L9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14

## EAST Search History

L12	26	yamazaki-nobushi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L13	166	("2649941"   "2660266"   "2747710"   "2753017"   "2801719"   "3000479"   "3215234"   "3235045"   "3400610"   "3419118"   "3448635"   "3637264"   "3682514"   "3929380"   "4018486"   "4109970"   "4263824"   "4286701"   "4417641"   "4445400"   "4462272"   "4480877"   "4591034"   "4662861"   "4679463"   "4781266"   "4805486"   "4821604"   "4883138"   "4895236"   "4950214"   "4976347"   "5022503"   "5076112"   "5080640"   "5092825"   "5106349"   "5150637"   "5199325"   "5271478"   "5279401"   "5323871"   "5617938"   "5732594"   "5788037"   "5934433"   "5947857"   "6092633"   "6290623"   "6302253"   "6315096"   "6332521"   "6397996"   "6398686"   "6446772").PN. OR ("2002/0134635"   "2003/0024787"   "2004/0163918"   "4895236"   "4976347"   "5279401"   "5423235"   "6398686"   "6561939"   "6564917"   "6698562").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/15 21:14
L14	985	L9 or L11 or L12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L15	89	L13 not L14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:14
L16	1074	L14 L15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:15
L17	467	1 not 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 21:29
S1	21988	clutch and (electric adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:08

## EAST Search History

S2	386283	(actuat\$3 or operat\$3) SAME (cam\$4 or ramp\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:05
S3	5231	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:05
S4	273201	(actuat\$3 or operat\$3) WITH (cam\$4 or ramp\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:06
S5	4117	S1 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:06
S6	88880	(actuat\$3 or operat\$3) WITH clutch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S7	10844	S6 and (electric adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S8	4042	S7 and (cam\$4 or ramp\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S9	1444	S7 and ((cam\$4 or ramp\$3) WITH (ball or roller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/12 15:11
S10	5330	(actuat\$3 or operat\$3) WITH (friction\$4 adj clutch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S11	694	S10 and (electric adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S12	336	S11 and (cam\$4 or ramp\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:09
S13	477	S10 and ((cam\$4 or ramp\$3) WITH (ball or roller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 18:01

## EAST Search History

S14	202	(192/84.6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:31
S15	176	S14 not S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:06
S16	653	S13 or S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:37
S17	148	(192/84.7).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:37
S18	91	S17 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:08
S19	744	S16 or S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:41
S20	194	(192/70.23).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:41
S21	179	S20 not S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:45
S22	26	yamazaki-nobushi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:47

## EAST Search History

S23	155	("2649941"   "2660266"   "2747710"   "2753017"   "2801719"   "3000479"   "3215234"   "3235045"   "3400610"   "3419118"   "3448635"   "3637264"   "3682514"   "3929380"   "4018486"   "4109970"   "4263824"   "4286701"   "4417641"   "4445400"   "4462272"   "4480877"   "4591034"   "4662861"   "4679463"   "4781266"   "4805486"   "4821604"   "4883138"   "4895236"   "4950214"   "4976347"   "5022503"   "5076112"   "5080640"   "5092825"   "5106349"   "5150637"   "5199325"   "5271478"   "5279401"   "5323871"   "5617938"   "5732594"   "5788037"   "5934433"   "5947857"   "6092633"   "6290623"   "6302253"   "6315096"   "6332521"   "6397996"   "6398686"   "6446772").PN. OR ("2002/0134635"   "2003/0024787"   "2004/0163918"   "4895236"   "4976347"   "5279401"   "5423235"   "6398686"   "6561939"   "6564917"   "6698562").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/12 15:48
S24	942	S19 or S21 or S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:48
S25	88	S23 not S24	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/11/12 15:51
S26	5456	(actuat\$3 or operat\$3) WITH (friction\$4 adj clutch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:01
S27	508	S26 and ((cam\$4 or ramp\$3) WITH (ball or roller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 18:02
S28	658652	@pd>"20051112"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 18:02
S29	32	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 18:02

## EAST Search History

S30	508	S26 and ((cam\$4 or ramp\$3) WITH (ball or roller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/15 18:06
S31	215	(192/84.6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:06
S32	185	S31 not S30	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:06
S33	9	S28 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:06
S34	185	S31 not S30	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:08
S35	693	S30 or S34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:08
S36	157	(192/84.7).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:08
S37	94	S36 not S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:09
S38	3	S28 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:10
S39	44	S29 S33 S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:10
S40	523	(192/70.23,84.6,84.7).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:11
S41	17	S28 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:11

## EAST Search History

S42	0	S41 not S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/15 18:11
S43	68587	torque or (rotat\$5 near3 force)	US-PGPUB	OR	OFF	2006/04/15 18:13
S44	462020	transmit\$4 or transmission	US-PGPUB	OR	OFF	2006/04/15 18:14
S45	815935	case or casing or housing	US-PGPUB	OR	OFF	2006/04/15 18:14
S46	9910	friction\$2 near3 engag\$5	US-PGPUB	OR	OFF	2006/04/15 18:15
S47	40898	relativ\$3 near3 rotat\$4	US-PGPUB	OR	OFF	2006/04/15 18:16
S48	23809	thrust\$3 or (axial near force)	US-PGPUB	OR	OFF	2006/04/15 18:17
S49	142357	actuat\$3	US-PGPUB	OR	OFF	2006/04/15 18:18
S50	120002	penetrat\$3	US-PGPUB	OR	OFF	2006/04/15 18:18
S51	17842	S43 S44	US-PGPUB	WITH	OFF	2006/04/15 18:19
S52	3276	S51 S45	US-PGPUB	WITH	OFF	2006/04/15 18:19
S53	81	S52 S46	US-PGPUB	WITH	OFF	2006/04/15 18:19
S54	6	S53 S47	US-PGPUB	WITH	OFF	2006/04/15 18:20
S55	2	S54 S48	US-PGPUB	WITH	OFF	2006/04/15 18:20
S56	1	S55 S49	US-PGPUB	WITH	OFF	2006/04/15 18:22
S57	1	S55 not S56	US-PGPUB	WITH	OFF	2006/04/15 18:23
S58	4	S54 not S55	US-PGPUB	WITH	OFF	2006/04/15 18:25
S59	77	S53 not S58	US-PGPUB	WITH	OFF	2006/04/15 18:32